Date: Mon, 4 Jul 94 04:30:24 PDT

From: Ham-Space Mailing List and Newsgroup <ham-space@ucsd.edu>

Errors-To: Ham-Space-Errors@UCSD.Edu

Reply-To: Ham-Space@UCSD.Edu

Precedence: Bulk

Subject: Ham-Space Digest V94 #176

To: Ham-Space

Ham-Space Digest Mon, 4 Jul 94 Volume 94 : Issue 176

Today's Topics:

EEK!! Where did archive.afit.af.mil go???? (2 msgs)
Graphical Tracking Software
ORBS\$.182.OSCAR.AMSAT
ORBS\$182.MICRO.AMSAT
ORBS\$182.MISC.AMSAT

Send Replies or notes for publication to: <Ham-Space@UCSD.Edu>
Send subscription requests to: <Ham-Space-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Space Digest are available (by FTP only) from UCSD.Edu in directory "mailarchives/ham-space".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: 2 Jul 1994 22:53:29 GMT

From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!vixen.cso.uiuc.edu!

newsfeed.ksu.ksu.edu!moe.ksu.ksu.edu!wizard.uark.edu!comp!plaws@network.ucsd.edu

Subject: EEK!! Where did archive.afit.af.mil go????

To: ham-space@ucsd.edu

I just tried to ftp to archive.afit.af.mil to get a new set of keplerian elements and IT'S GONE!! "Unknown host". Please tell me the nameserver here is screwy, else tell us all where there is another site (not sight or cite).

Peter Laws <plaws@comp.uark.edu> |"Let's make sure history never forgets the n5uwy@ka5bml.#nwar.ar.usa.noam | name ... Enterprise" ST:TNG - 1987-1994

Date: 4 Jul 1994 02:40:36 -0700

From: network.ucsd.edu!not-for-mail@network.ucsd.edu

Subject: EEK!! Where did archive.afit.af.mil go????

To: ham-space@ucsd.edu

In article <2v4r59\$t0b@wizard.uark.edu> plaws@comp..uark.edu (Peter Laws) writes: >I just tried to ftp to archive.afit.af.mil to get a new set of keplerian >elements and IT'S GONE!! "Unknown host".

This is common, especially on weekends. Just wait a few hours or days and try again. Not to worry.

You can also get elements by telnetting (not FTP) to the raidbbs at raidbbs.gsfc.nasa.gov Login is "raid" and password is "goddard1". You then follow the instructions... The interface is your typical cheezy BBS, so there is a price to pay, mainly in the time it takes to get element sets off of it. But, on the good side, they are the most recent elements you will find, usually a day or two fresher than on archive.afit.af.mil

Brent

Date: Sun, 3 Jul 1994 14:14:56 GMT

From: ihnp4.ucsd.edu!swrinde!emory!cherry.atlanta.com!nanovx!kd4dts!

jcw@network.ucsd.edu

Subject: Graphical Tracking Software

To: ham-space@ucsd.edu

Not being familiar with any of the tracking software that's available, are there any packages that display the satellites (preferabbly a great many) orbiting with a point of view from, oh say, 20,000 miles up, and about the same out in some direction? Basically a 3D presentation of the positions?

- John

John C. Wren (kd4dts) | "The UNIX operating system has a command, NICE, jcw@kd4dts.atl.ga.us | which allows a user to voluntarily reduce the ..!emory!wa4mei!kd4dts!jcw | priority of his process, in order to be nice to

Date: Fri, 1 Jul 1994 14:16:00 MDT

From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!

newsxfer.itd.umich.edu!nntp.cs.ubc.ca!alberta!ve6mgs!usenet@network.ucsd.edu

Subject: ORBS\$.182.OSCAR.AMSAT

To: ham-space@ucsd.edu

SB KEPS @ AMSAT \$0RBS-182.0 Orbital Elements 182.0SCAR

HR AMSAT ORBITAL ELEMENTS FOR OSCAR SATELLITES

FROM WA5QGD FORT WORTH, TX July 1, 1994

BID: \$0RBS-182.0

TO ALL RADIO AMATEURS BT

Satellite: A0-10 Catalog number: 14129

Epoch time: 94176.41110075

Element set: 289
Inclination: 27.0856 deg

RA of node: 321.0039 deg

Eccentricity: 0.6024383

Arg of perigee: 189.2195 deg
Mean anomaly: 150.8337 deg
Mean motion: 2.05882336 rev/day
Decay rate: -3.06e-06 rev/day^2

Epoch rev: 8295

Checksum: 298

Satellite: UO-11

Catalog number: 14781

Epoch time: 94173.06474633

Element set: 702 Inclination: 97.7861 deg

RA of node: 187.5613 deg

Eccentricity: 0.0010677

Arg of perigee: 254.9523 deg
Mean anomaly: 105.0499 deg
Mean motion: 14.69223055 rev/day
Decay rate: 1.36e-06 rev/day^2

Epoch rev: 55102

Checksum: 307

Satellite: RS-10/11 Catalog number: 18129

Epoch time: 94180.82901643

Element set: 918
Inclination: 82.9242 deg

RA of node: 319.4951 deg

Eccentricity: 0.0012229

Arg of perigee: 356.9772 deg
Mean anomaly: 3.1307 deg
Mean motion: 13.72338758 rev/day
Decay rate: 2.2e-07 rev/day^2

Epoch rev: 35164

Checksum: 306

Satellite: A0-13

Catalog number: 19216

Epoch time: 94180.17114065

Element set: 926 Inclination: 57.7928 deg

RA of node: 244.7541 deg

Eccentricity: 0.7213733

Arg of perigee: 344.7303 deg
Mean anomaly: 1.9030 deg
Mean motion: 2.09725008 rev/day
Decay rate: -4.92e-06 rev/day^2

Epoch rev: 4626

Checksum: 292

Satellite: F0-20 Catalog number: 20480

Epoch time: 94180.92151497

Element set: 701
Inclination: 99.0361 deg

RA of node: 330.3349 deg

Eccentricity: 0.0540560

Arg of perigee: 310.6901 deg
Mean anomaly: 44.8395 deg
Mean motion: 12.83226179 rev/day
Decay rate: -1.0e-07 rev/day^2

Epoch rev: 20576

Checksum: 284

Satellite: A0-21

Catalog number: 21087

Epoch time: 94180.84490761

Element set: 484
Inclination: 82.9449 deg

RA of node: 133.3485 deg

Eccentricity: 0.0037046

Arg of perigee: 49.6353 deg
Mean anomaly: 310.8027 deg
Mean motion: 13.74541737 rev/day
Decay rate: 9.4e-07 rev/day^2

Epoch rev: 17132

Checksum: 312

Satellite: RS-12/13 Catalog number: 21089

Epoch time: 94177.55866591

Element set: 703

Inclination: 82.9190 deg

RA of node: 4.4957 deg

Eccentricity: 0.0030799

Arg of perigee: 81.6385 deg
Mean anomaly: 278.8252 deg
Mean motion: 13.74042909 rev/day
Decay rate: 4.8e-07 rev/day^2

Epoch rev: 16993

Checksum: 351

Satellite: ARSENE Catalog number: 22654

Epoch time: 94169.23096299

Element set: 263
Inclination: 1.8748 deg

RA of node: 99.1484 deg

Eccentricity: 0.2919067

Arg of perigee: 184.0582 deg
Mean anomaly: 172.2245 deg
Mean motion: 1.42202724 rev/day
Decay rate: -1.11e-06 rev/day^2

Epoch rev: 121

Checksum: 288

/EX

Date: Fri, 1 Jul 1994 14:17:00 MDT

From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!

newsxfer.itd.umich.edu!nntp.cs.ubc.ca!alberta!ve6mgs!usenet@network.ucsd.edu

Subject: ORBS\$182.MICRO.AMSAT

To: ham-space@ucsd.edu

SB KEPS @ AMSAT \$ORBS-182.D Orbital Elements 182.MICROS

HR AMSAT ORBITAL ELEMENTS FOR THE MICROSATS FROM WA5QGD FORT WORTH,TX July 1, 1994

BID: \$0RBS-182.D

TO ALL RADIO AMATEURS BT

Satellite: UO-14

Catalog number: 20437

Epoch time: 94181.17094406

Element set: 6
Inclination: 98.5888 deg

RA of node: 265.7706 deg

Eccentricity: 0.0011270

Arg of perigee: 148.7156 deg
Mean anomaly: 211.4700 deg
Mean motion: 14.29848006 rev/day
Decay rate: 1.2e-07 rev/day^2

Epoch rev: 23144

Checksum: 288

Satellite: A0-16 Catalog number: 20439

Epoch time: 94178.21712155

Element set: 804
Inclination: 98.5981 deg

RA of node: 264.1007 deg

Eccentricity: 0.0011033

Arg of perigee: 158.0706 deg
Mean anomaly: 202.0949 deg
Mean motion: 14.29901614 rev/day
Decay rate: 1.0e-07 rev/day^2

Epoch rev: 23103

Checksum: 269

Satellite: DO-17

Catalog number: 20440

Epoch time: 94178.24044877

Element set: 804
Inclination: 98.5990 deg

RA of node: 264.4494 deg

Eccentricity: 0.0011506

Arg of perigee: 157.3761 deg
Mean anomaly: 202.7928 deg
Mean motion: 14.30041300 rev/day
Decay rate: 1.7e-07 rev/day^2

Epoch rev: 23105

Checksum: 287

Satellite: WO-18 Catalog number: 20441

Epoch time: 94181.15467102

Element set: 807
Inclination: 98.5977 deg

RA of node: 267.3273 deg

Eccentricity: 0.0012054

Arg of perigee: 149.3828 deg
Mean anomaly: 210.8060 deg
Mean motion: 14.30015655 rev/day
Decay rate: 1.0e-08 rev/day^2

Epoch rev: 23147

Checksum: 283

Satellite: LO-19

Catalog number: 20442

Epoch time: 94178.75317896

Element set: 803 Inclination: 98.5991 deg

RA of node: 265.2158 deg

Eccentricity: 0.0012241

Arg of perigee: 155.8695 deg
Mean anomaly: 204.3055 deg
Mean motion: 14.30111899 rev/day
Decay rate: 3.1e-07 rev/day^2

Epoch rev: 23114

Checksum: 309

Satellite: U0-22 Catalog number: 21575

Epoch time: 94181.15732371

Element set: 508
Inclination: 98.4344 deg

RA of node: 255.3931 deg

Eccentricity: 0.0006801

Arg of perigee: 252.7171 deg
Mean anomaly: 107.3281 deg
Mean motion: 14.36921644 rev/day
Decay rate: 4.6e-07 rev/day^2

Epoch rev: 15494

Checksum: 295

Satellite: KO-23

Catalog number: 22077

Epoch time: 94181.22418147

Element set: 403 Inclination: 66.0834 deg

RA of node: 252.6851 deg

Eccentricity: 0.0014564

Arg of perigee: 283.4501 deg
Mean anomaly: 76.4893 deg
Mean motion: 12.86286916 rev/day
Decay rate: -3.7e-07 rev/day^2

Epoch rev: 8846

Checksum: 315

Satellite: A0-27 Catalog number: 22825

Epoch time: 94179.73033811

Element set: 301

Inclination: 98.6528 deg

RA of node: 255.4221 deg

Eccentricity: 0.0008353

Arg of perigee: 170.1806 deg
Mean anomaly: 189.9539 deg
Mean motion: 14.27627600 rev/day
Decay rate: -1.0e-08 rev/day^2

Epoch rev: 3933

Checksum: 300

Satellite: IO-26

Catalog number: 22826

Epoch time: 94179.21993428

Element set: 301
Inclination: 98.6522 deg

RA of node: 254.9542 deg

Eccentricity: 0.0008849

Arg of perigee: 173.5876 deg
Mean anomaly: 186.5418 deg
Mean motion: 14.27731640 rev/day
Decay rate: -3.0e-08 rev/day^2

Epoch rev: 3926

Checksum: 333

Satellite: KO-25

Catalog number: 22830

Epoch time: 94179.22798762

Element set: 306
Inclination: 98.5529 deg

RA of node: 252.0960 deg

Eccentricity: 0.0012037

Arg of perigee: 140.4552 deg
Mean anomaly: 219.7507 deg
Mean motion: 14.28058431 rev/day
Decay rate: 2.2e-07 rev/day^2

Epoch rev: 3927

Checksum: 303

/EX

Date: Fri, 1 Jul 1994 14:20:00 MDT

From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!europa.eng.gtefsd.com! newsxfer.itd.umich.edu!nntp.cs.ubc.ca!alberta!ve6mgs!usenet@network.ucsd.edu

Subject: ORBS\$182.MISC.AMSAT

To: ham-space@ucsd.edu

SB KEPS @ AMSAT \$ORBS-182.M Orbital Elements 182.MISC

HR AMSAT ORBITAL ELEMENTS FOR MANNED AND MISCELLANEOUS SATELLITES

FROM WA5QGD FORT WORTH, TX July 1, 1994

BID: \$0RBS-182.M

TO ALL RADIO AMATEURS BT

Satellite: POSAT

Catalog number: 22829

Epoch time: 94179.72381534

Element set: 294
Inclination: 98.6491 deg

RA of node: 255.4805 deg

Eccentricity: 0.0010222

Arg of perigee: 158.5288 deg
Mean anomaly: 201.6320 deg
Mean motion: 14.28031163 rev/day
Decay rate: 2.6e-07 rev/day^2

Epoch rev: 3934

Checksum: 291

Satellite: MIR

Catalog number: 16609

Epoch time: 94181.23244135

Element set: 659
Inclination: 51.6459 deg

RA of node: 121.1314 deg

Eccentricity: 0.0003021

Arg of perigee: 97.4905 deg
Mean anomaly: 262.6430 deg
Mean motion: 15.56430535 rev/day
Decay rate: 3.287e-05 rev/day^2

Epoch rev: 47807

Checksum: 286

Satellite: HUBBLE Catalog number: 20580

Epoch time: 94180.20403819

Element set: 501
Inclination: 28.4677 deg

RA of node: 158.7789 deg

Eccentricity: 0.0006123

Arg of perigee: 208.6089 deg
Mean anomaly: 151.4157 deg
Mean motion: 14.90631325 rev/day
Decay rate: 3.62e-06 rev/day^2

Epoch rev: 3118

Checksum: 285

Satellite: GRO

Catalog number: 21225

Epoch time: 94178.31390620

Element set: 117
Inclination: 28.4589 deg

RA of node: 161.8278 deg

Eccentricity: 0.0003293

Arg of perigee: 325.3791 deg
Mean anomaly: 34.6587 deg
Mean motion: 15.40981386 rev/day
Decay rate: 1.129e-05 rev/day^2

Epoch rev: 5850

Checksum: 307

Satellite: UARS

Catalog number: 21701

Epoch time: 94179.26756800

Element set: 544
Inclination: 56.9843 deg

RA of node: 114.6578 deg

Eccentricity: 0.0006029

Arg of perigee: 104.7294 deg
Mean anomaly: 255.4410 deg
Mean motion: 14.96431723 rev/day
Decay rate: -2.189e-05 rev/day^2

Epoch rev: 15259

Checksum: 311

/EX

End of Ham-Space Digest V94 #176